NC/QC/BD/W5/2020-21/P1-1-C1 Date: 30-09-2020

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Improvements to roads and drains at Kattigenahalli Main and Cross, Sirinagara Nirantara Layout, Sri krishna Garden, Shivashankara Layout, Varaha Layout, Bindhu Layout, and Surrounding areas in Ward No- 05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Byatarayanapura Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s SMLP Asphalts, Prop : B B Umesh, Bangalore.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**158 min**	Shall not be less than 30 min
2	Final setting time	**265min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.11%**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.06mm**	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	**28.74 N/Sq mm**	Shall not be less than 27 N/Sqmm

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NC/QC/BD/W5/2020-21/P1-1-PCC1 Date: 30-09-2020

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Improvements to roads and drains at Kattigenahalli Main and Cross, Sirinagara Nirantara Layout, Sri krishna Garden, Shivashankara Layout, Varaha Layout, Bindhu Layout, and Surrounding areas in Ward No- 05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Byatarayanapura Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s SMLP Asphalts, Prop : B B Umesh, Bangalore.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	**100.00**	85-100	90 – 100
20mm	**64.20**	0 -20	30- 70
10mm	**31.80**	0 -5	10- 35
4.75mm	**4.05**	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	**96.70**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**82.15**	60-95	75-100	85-100	
01.18	**74.05**	30-70	55-90	75-100	
600.mic	**47.80**	15-34	35-59	60-79	
300.mic	**24.15**	5-20	8-30	12-40	
150.mic	**6.80**	0-10	0-10	0-10	

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NC/QC/BD/W5/2020-21/P1-1-CE1 Date: 01-10-2020

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Improvements to roads and drains at Kattigenahalli Main and Cross, Sirinagara Nirantara Layout, Sri krishna Garden, Shivashankara Layout, Varaha Layout, Bindhu Layout, and Surrounding areas in Ward No- 05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Byatarayanapura Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s SMLP Asphalts, Prop : B B Umesh, Bangalore.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**164 min**	Shall not be less than 30 min
2	Final setting time	**270 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**1.86 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**1.94 mm**	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	**28.53 N/Sq mm**	Shall not be less than 27 N/Sqmm

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NC/QC/BD/W5/2020-21/P1-1-FA1 Date: 01-10-2020

1. TESTING OF FINE AGGREGATES :

Sub: Testing of Fine Aggregates.

{Project*: Improvements to roads and drains at Kattigenahalli Main and Cross, Sirinagara Nirantara Layout, Sri krishna Garden, Shivashankara Layout, Varaha Layout, Bindhu Layout, and Surrounding areas in Ward No- 05.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Byatarayanapura Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s SMLP Asphalts, Prop : B B Umesh, Bangalore.

TABLE - 1.1 : SIEVE ANALYSIS :

IS Sieve Size,mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -II	
04.75	**95.15**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**82.25**	60-95	75-100	85-100	
01.18	**70.05**	30-70	55-90	75-100	
600. mic	**46.80**	15.34	35-59	60-79	
300.mic	**22.45**	5-20	8-30	12-40	
150.mic	**7.30**	0-10	0-10	0-10	

TABLE 1.2 ;

Sl No	Test Conducted	Sample	Results	Requirements as Per IS. Specification IS :383-1970 (Reaffirmed 2002)
1	Bulking of Sand	001	**17.66 %**	-----
2	Silt Content	----	**0.59%**	Not more than 8%
3	Specific Gravity	----	**2.61**	-------

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NC/QC/BD/W5/2020-21/P1-1-CA1 Date: 01-10-2020

1. TESTING OF COARSE AGGREGATES (20 mm):

Sub: Testing of Construction Materials.

{Project*: Improvements to roads and drains at Kattigenahalli Main and Cross, Sirinagara Nirantara Layout, Sri krishna Garden, Shivashankara Layout, Varaha Layout, Bindhu Layout, and Surrounding areas in Ward No- 05.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Byatarayanapura Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s SMLP Asphalts, Prop : B B Umesh, Bangalore.

Table - 1.1 : SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2002) % Passing	
	20 mm Sample	Single size	Graded
40 mm	**100.00**	100.00	100.00
20 mm	**97.25**	85-100	90 - 100
10 mm	**45.90**	0 - 20	25 - 55
4.75 mm	**3.85**	0 - 5	0 - 10

TABLE 1.2 :

SL No	Test conducted	Results	Requirements as per IS:383-1970 & Tests Conforms to IS 2386(Part I to IV) – 1963 (Reaffirmed on 2002)
1.	Flakiness Index	**26.362%**	Not to exceed 25 %
2.	Crushing value	**28.74%**	Not to exceed 45 % for concrete other than for wearing surfaces and 30% for concrete for wearing surfaces

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NC/QC/BD/W5/2020-21/P1-1-CA1 Date: 01-10-2020

1.TESTING OF STONE SAMPLE :

Sub: Testing of Size stone.

{Project*: Improvements to roads and drains at Kattigenahalli Main and Cross, Sirinagara Nirantara Layout, Sri krishna Garden, Shivashankara Layout, Varaha Layout, Bindhu Layout, and Surrounding areas in Ward No- 05.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Byatarayanapura Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s SMLP Asphalts, Prop : B B Umesh, Bangalore.

Technical Reference: IS 1121(Part 1) -1974 (R.A on 1998)

Table 1.1 :

SL No	Details of Tests	Observed Value	Normal Values
01	Compressive Strength	**1375.00** Kg/ Sqcm	Not less than 1000.00 Kg/Sqcm
02	Water absorption,%	**0.42 %**	Not more than 2.0 %

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NC/QC/BD/W5/2020-21/P1-1-SBI Date: 03-10-2020

1. TEST REPORT ON PRE –CAST SOLID BLOCKS:

Sub: Testing of Pre-Cast Solid Block- Compressive strength.

{Project*: Improvements to roads and drains at Kattigenahalli Main and Cross, Sirinagara Nirantara Layout, Sri krishna Garden, Shivashankara Layout, Varaha Layout, Bindhu Layout, and Surrounding areas in Ward No- 05.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Byatarayanapura Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s SMLP Asphalts, Prop : B B Umesh, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON PRE CAST(Solid Blocks)

BLOCK SPECIMENS

TABLE 1. 1:

Sl No.	Dimensions of Specimen mm	Details	Cross Sectional Area mm^2	Maximum Load in KN	Compressive Strength N/mm^2	Average Compressive Strength N/mm^2
1	400 X 200 X 200	**Solid**	80000	355	4.44	**4.46**
2	,,	,,	80000	365	4.56	
3	,,	,,	80000	350	4.38	

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NC/QC/BD/W5/2020-21/P1-1-SB2 Date: 07-10-2020

1. TEST REPORT ON PRE –CAST SOLID BLOCKS:

Sub: Testing of Pre-Cast Solid Block- Compressive strength.

{Project*: Improvements to roads and drains at Kattigenahalli Main and Cross, Sirinagara Nirantara Layout, Sri krishna Garden, Shivashankara Layout, Varaha Layout, Bindhu Layout, and Surrounding areas in Ward No- 05.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Byatarayanapura Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s SMLP Asphalts, Prop : B B Umesh, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON PRE CAST(Solid Blocks)

BLOCK SPECIMENS

TABLE 1. 1:

Sl No.	Dimensions of Specimen **mm**	Details	Cross Sectional Area **mm^2**	Maximum Load in **KN**	Compressive Strength **N/ mm^2**	**Average Compressive Strength N/ mm^2**
1	400 X 200 X 200	**Solid**	80000	370	4.62	**4.49**
2	,,	,,	80000	360	4.50	
3	,,	,,	80000	355	4.37	

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NC/QC/BD/W5/2020-21/P1-1-SB3 Date: 09-10-2020

1. TEST REPORT ON PRE –CAST SOLID BLOCKS:

Sub: Testing of Pre-Cast Solid Block- Compressive strength.
{Project*: Improvements to roads and drains at Kattigenahalli Main and Cross, Sirinagara Nirantara Layout, Sri krishna Garden, Shivashankara Layout, Varaha Layout, Bindhu Layout, and Surrounding areas in Ward No- 05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Byatarayanapura Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s SMLP Asphalts, Prop : B B Umesh, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON PRE CAST(Solid Blocks)

BLOCK SPECIMENS

TABLE 1. 1:

Sl No.	Dimensions of Specimen **mm**	Details	Cross Sectional Area **mm^2**	Maximum Load in **KN**	Compressive Strength **N/ mm^2**	**Average Compressive Strength N/ mm^2**
1	400 X 200 X 200	**Solid**	80000	345	4.31	**4.41**
2	,,	,,	80000	360	4.50	
3	,,	,,	80000	355	4.43	

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NC/QC/BD/W5/2020-21/P1-1-SB4 Date: 13-10-2020

1. TEST REPORT ON PRE –CAST SOLID BLOCKS:

Sub: Testing of Pre-Cast Solid Block- Compressive strength.
{Project*: Improvements to roads and drains at Kattigenahalli Main and Cross, Sirinagara Nirantara Layout, Sri krishna Garden, Shivashankara Layout, Varaha Layout, Bindhu Layout, and Surrounding areas in Ward No- 05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Byatarayanapura Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s SMLP Asphalts, Prop : B B Umesh, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON PRE CAST(Solid Blocks)

BLOCK SPECIMENS

TABLE 1. 1:

Sl No.	Dimensions of Specimen **mm**	Details	Cross Sectional Area **mm^2**	Maximum Load in **KN**	Compressive Strength **N/ mm^2**	**Average Compressive Strength N/ mm^2**
1	400 X 200 X 200	**Solid**	80000	375	4.68	**4.49**
2	,,	,,	80000	360	4.50	
3	,,	,,	80000	345	4.31	

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NC/QC/BD/W5/2020-21/P1-1-SB5 Date: 16-10-2020

1. TEST REPORT ON PRE –CAST SOLID BLOCKS:

Sub: Testing of Pre-Cast Solid Block- Compressive strength.

{Project*: Improvements to roads and drains at Kattigenahalli Main and Cross, Sirinagara Nirantara Layout, Sri krishna Garden, Shivashankara Layout, Varaha Layout, Bindhu Layout, and Surrounding areas in Ward No- 05.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Byatarayanapura Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s SMLP Asphalts, Prop : B B Umesh, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON PRE CAST(Solid Blocks)

BLOCK SPECIMENS

TABLE 1. 1:

Sl No.	Dimensions of Specimen **mm**	Details	Cross Sectional Area **mm^2**	Maximum Load in **KN**	Compressive Strength **N/ mm^2**	Average Compressive Strength **N/ mm^2**
1	400 X 200 X 200	**Solid**	80000	345	4.31	4.35
2	,,	,,	80000	360	4.50	
3	,,	,,	80000	340	4.25	

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NC/QC/BD/W5/2020-21/P1-1-SB6 Date: 17-10-2020

1. TEST REPORT ON PRE –CAST SOLID BLOCKS:

Sub: Testing of Pre-Cast Solid Block- Compressive strength.

{Project*: Improvements to roads and drains at Kattigenahalli Main and Cross, Sirinagara Nirantara Layout, Sri krishna Garden, Shivashankara Layout, Varaha Layout, Bindhu Layout, and Surrounding areas in Ward No- 05.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Byatarayanapura Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s SMLP Asphalts, Prop : B B Umesh, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON PRE CAST(Solid Blocks)

BLOCK SPECIMENS

TABLE 1. 1:

Sl No.	Dimensions of Specimen mm	Details	Cross Sectional Area mm^2	Maximum Load in KN	Compressive Strength N/mm^2	Average Compressive Strength N/mm^2
1	400 X 200 X 200	**Solid**	80000	350	4.37	**4.37**
2	,,	,,	80000	360	4.50	
3	,,	,,	80000	340	4.25	

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NC/QC/BD/W5/2020-21/P1-1-SB7 Date: 19-10-2020

1. TEST REPORT ON PRE –CAST SOLID BLOCKS:

Sub: Testing of Pre-Cast Solid Block- Compressive strength.
{Project*: Improvements to roads and drains at Kattigenahalli Main and Cross, Sirinagara Nirantara Layout, Sri krishna Garden, Shivashankara Layout, Varaha Layout, Bindhu Layout, and Surrounding areas in Ward No- 05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Byatarayanapura Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s SMLP Asphalts, Prop : B B Umesh, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON PRE CAST(Solid Blocks)

BLOCK SPECIMENS

TABLE 1. 1:

Sl No.	Dimensions of Specimen mm	Details	Cross Sectional Area mm^2	Maximum Load in KN	Compressive Strength N/mm^2	Average Compressive Strength N/mm^2
1	400 X 200 X 200	**Solid**	80000	360	4.50	**4.51**
2	,,	,,	80000	370	4.62	
3	,,	,,	80000	355	4.43	

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NC/QC/BD/W5/2020-21/P1-1-CB1 **Date: 10-10-2020**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements to roads and drains at Kattigenahalli Main and Cross, Sirinagara Nirantara Layout, Sri krishna Garden, Shivashankara Layout, Varaha Layout, Bindhu Layout, and Surrounding areas in Ward No- 05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Byatarayanapura Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s SMLP Asphalts, Prop : B B Umesh, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{15}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	03-10-20	10-10-20	07	22500	300	13.33	**13.41**
	002	"	"	"	"	295	13.11	
	003	"	"	"	"	310	13.78	

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NC/QC/BD/W5/2020-21/P1-1-CB2 Date: 13-10-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements to roads and drains at Kattigenahalli Main and Cross, Sirinagara Nirantara Layout, Sri krishna Garden, Shivashankara Layout, Varaha Layout, Bindhu Layout, and Surrounding areas in Ward No- 05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Byatarayanapura Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s SMLP Asphalts, Prop : B B Umesh, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{15}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	06-10-20	13-10-20	07	22500	305	13.56	**13.78**
	002	"	"	"	"	315	14.00	
	003	"	"	"	"	310	13.78	

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NC/QC/BD/W5/2020-21/P1-1-CB3 Date: 14-10-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength)

{Project*: Improvements to roads and drains at Kattigenahalli Main and Cross, Sirinagara Nirantara Layout, Sri krishna Garden, Shivashankara Layout, Varaha Layout, Bindhu Layout, and Surrounding areas in Ward No- 05.}

Ref.: Material testing/PMC/20-21.

Report Required for: Assistant Executive Engineer,
Byatarayanapura Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s SMLP Asphalts, Prop : B B Umesh, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{15}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	07-10-20	14-10-20	07	22500	320	14.22	13.93
	002	"	"	"	"	305	13.56	
	003	"	"	"	"	315	14.00	

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NC/QC/BD/W5/2020-21/P1-1-CB3 Date: 14-10-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements to roads and drains at Kattigenahalli Main and Cross, Sirinagara Nirantara Layout, Sri krishna Garden, Shivashankara Layout, Varaha Layout, Bindhu Layout, and Surrounding areas in Ward No- 05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Byatarayanapura Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s SMLP Asphalts, Prop : B B Umesh, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{15}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	07-10-20	14-10-20	07	22500	320	14.22	**13.93**
	002	‘’	“	‘’	“	305	13.56	
	003	‘’	“	‘’	“	315	14.00	

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NC/QC/BD/W5/2020-21/P1-1-CB4 Date: 16-10-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements to roads and drains at Kattigenahalli Main and Cross, Sirinagara Nirantara Layout, Sri krishna Garden, Shivashankara Layout, Varaha Layout, Bindhu Layout, and Surrounding areas in Ward No- 05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Byatarayanapura Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s SMLP Asphalts, Prop : B B Umesh, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{15}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	09-10-20	16-10-20	07	22500	325	14.44	**13.85**
	002	"	"	"	"	300	13.33	
	003	"	"	"	"	310	13.78	

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ಸಹಾಯಕ ಕಾರ್ಯ... ಅಂಡಿಕರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA,
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NC/QC/BD/W5/2020-21/P1-1-CB5 Date: 19-10-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements to roads and drains at Kattigenahalli Main and Cross, Sirinagara Nirantara Layout, Sri krishna Garden, Shivashankara Layout, Varaha Layout, Bindhu Layout, and Surrounding areas in Ward No- 05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Byatarayanapura Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s SMLP Asphalts, Prop : B B Umesh, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{15}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	12-10-20	19-10-20	07	22500	305	13.56	**13.70**
	002	"	"	"	"	320	14.22	
	003	"	"	"	"	300	13.33	

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NC/QC/BD/W5/2020-21/P1-1-CB6 Date: 22-10-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements to roads and drains at Kattigenahalli Main and Cross, Sirinagara Nirantara Layout, Sri krishna Garden, Shivashankara Layout, Varaha Layout, Bindhu Layout, and Surrounding areas in Ward No- 05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Byatarayanapura Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s SMLP Asphalts, Prop : B B Umesh, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{15}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	15-10-20	22-10-20	07	22500	290	12.89	**13.26**
	002	"	"	"	"	300	13.33	
	003	"	"	"	"	305	13.56	

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NC/QC/BD/W5/2020-21/P1-1-CB7 Date: 24-10-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements to roads and drains at Kattigenahalli Main and Cross, Sirinagara Nirantara Layout, Sri krishna Garden, Shivashankara Layout, Varaha Layout, Bindhu Layout, and Surrounding areas in Ward No- 05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Byatarayanapura Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s SMLP Asphalts, Prop : B B Umesh, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{15}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	17-10-20	24-10-20	07	22500	290	12.89	13.11
	002	"	"	"	"	300	13.33	
	003	"	"	"	"	295	13.11	

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NC/QC/BD/W5/2020-21/P1-1-CB8 Date: 26-10-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements to roads and drains at Kattigenahalli Main and Cross, Sirinagara Nirantara Layout, Sri krishna Garden, Shivashankara Layout, Varaha Layout, Bindhu Layout, and Surrounding areas in Ward No- 05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Byatarayanapura Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s SMLP Asphalts, Prop : B B Umesh, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{15}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	19-10-20	26-10-20	07	22500	310	13.78	**13.41**
	002	"	"	"	"	300	13.33	
	003	"	"	"	"	295	13.11	

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NC/QC/BD/W5/2020-21/P1-1-CB9 Date: 30-10-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).

{Project*: Improvements to roads and drains at Kattigenahalli Main and Cross, Sirinagara Nirantara Layout, Sri krishna Garden, Shivashankara Layout, Varaha Layout, Bindhu Layout, and Surrounding areas in Ward No- 05.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Byatarayanapura Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s SMLP Asphalts, Prop : B B Umesh, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{15}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	23-10-20	30-10-20	07	22500	310	13.78	**13.70**
	002	"	"	"	"	300	13.33	
	003	"	"	"	"	315	14.00	

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NC/QC/BD/W5/2020-21/P1-1-CB9 Date: 30-10-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements to roads and drains at Kattigenahalli Main and Cross, Sirinagara Nirantara Layout, Sri krishna Garden, Shivashankara Layout, Varaha Layout, Bindhu Layout, and Surrounding areas in Ward No- 05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Byatarayanapura Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s SMLP Asphalts, Prop : B B Umesh, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{15}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	23-10-20	30-10-20	07	22500	310	13.78	**13.70**
	002	"	"	"	"	300	13.33	
	003	"	"	"	"	315	14.00	

NEWZEN CONSULTANT Bangalore

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NC/QC/BD/W5/2020-21/P1-1-CB1A **Date: 31-10-2020**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Improvements to roads and drains at Kattigenahalli Main and Cross, Sirinagara Nirantara Layout, Sri krishna Garden, Shivashankara Layout, Varaha Layout, Bindhu Layout, and Surrounding areas in Ward No- 05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Byatarayanapura Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s SMLP Asphalts, Prop : B B Umesh, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{15}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	03-10-20	31-10-20	28	22500	415	18.44	**18.44**
	002	"	"	"	"	425	18.89	
	003	"	"	"	"	405	18.00	

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NC/QC/BD/W5/2020-21/P1-1-CB2A Date: 03-11-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Improvements to roads and drains at Kattigenahalli Main and Cross, Sirinagara Nirantara Layout, Sri krishna Garden, Shivashankara Layout, Varaha Layout, Bindhu Layout, and Surrounding areas in Ward No- 05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Byatarayanapura Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s SMLP Asphalts, Prop : B B Umesh, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{15}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	06-10-20	03-11-20	28	22500	400	17.78	**18.30**
	002	"	"	"	"	415	18.44	
	003	"	"	"	"	420	18.67	

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NC/QC/BD/W5/2020-21/P1-1-CB3A

Date: 04-11-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).

{Project*: Improvements to roads and drains at Kattigenahalli Main and Cross, Sirinagara Nirantara Layout, Sri krishna Garden, Shivashankara Layout, Varaha Layout, Bindhu Layout, and Surrounding areas in Ward No- 05.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Byatarayanapura Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s SMLP Asphalts, Prop : B B Umesh, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{15}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	07-10-20	04-11-20	28	22500	405	18.00	**18.37**
	002	‘’	“	‘’	“	420	18.67	
	003	‘’	“	‘’	“	415	18.44	

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NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA,
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NC/QC/BD/W5/2020-21/P1-1-CB4A

Date: 06-11-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Improvements to roads and drains at Kattigenahalli Main and Cross, Sirinagara Nirantara Layout, Sri krishna Garden, Shivashankara Layout, Varaha Layout, Bindhu Layout, and Surrounding areas in Ward No- 05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Byatarayanapura Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s SMLP Asphalts, Prop : B B Umesh, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{15}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	09-10-20	06-11-20	28	22500	425	18.89	**18.89**
	002	"	"	"	"	435	19.33	
	003	"	"	"	"	415	18.44	

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NC/QC/BD/W5/2020-21/P1-1-CB5A Date: 09-11-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Improvements to roads and drains at Kattigenahalli Main and Cross, Sirinagara Nirantara Layout, Sri krishna Garden, Shivashankara Layout, Varaha Layout, Bindhu Layout, and Surrounding areas in Ward No- 05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Byatarayanapura Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s SMLP Asphalts, Prop : B B Umesh, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{15}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	12-10-20	09-11-20	28	22500	410	18.22	**18.15**
	002	"	"	"	"	400	17.78	
	003	"	"	"	"	415	18.44	

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NC/QC/BD/W5/2020-21/P1-1-CB6A

Date: 12-11-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Improvements to roads and drains at Kattigenahalli Main and Cross, Sirinagara Nirantara Layout, Sri krishna Garden, Shivashankara Layout, Varaha Layout, Bindhu Layout, and Surrounding areas in Ward No- 05.}
Ref.: Material testing PMC/20-21,
Report Required for: Assistant Executive Engineer,
Byatarayanapura Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s SMLP Asphalts, Prop : B B Umesh, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{15}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	15-10-20	12-11-20	28	22500	405	18.00	**18.22**
	002	"	"	"	"	410	18.22	
	003	"	"	"	"	415	18.44	

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NC/QC/BD/W5/2020-21/P1-1-CB7A **Date: 14-11-2020**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Improvements to roads and drains at Kattigenahalli Main and Cross, Sirinagara Nirantara Layout, Sri krishna Garden, Shivashankara Layout, Varaha Layout, Bindhu Layout, and Surrounding areas in Ward No- 05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Byatarayanapura Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s SMLP Asphalts, Prop : B B Umesh, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{15}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	17-10-20	14-11-20	28	22500	390	17.33	**18.07**
	002	"	"	"	"	420	18.67	
	003	"	"	"	"	410	18.22	

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NC/QC/BD/W5/2020-21/P1-1-CB8A Date: 16-11-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Improvements to roads and drains at Kattigenahalli Main and Cross, Sirinagara Nirantara Layout, Sri krishna Garden, Shivashankara Layout, Varaha Layout, Bindhu Layout, and Surrounding areas in Ward No- 05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Byatarayanapura Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s SMLP Asphalts, Prop : B B Umesh, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{15}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	19-10-20	16-11-20	28	22500	420	18.67	**18.67**
	002	"	"	"	"	415	18.44	
	003	"	"	"	"	425	18.89	

NEWZEN CONSULTANT Bangalore

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NC/QC/BD/W5/2020-21/P1-1-GSB1 Date: 05-10-2020

TEST REPORT ON GRANULAR SUBBASE MIX
(GRADATION TEST)

Sub: To conduct tests on GSB (Grade-V) mix.
{Project*: Improvements to roads and drains at Kattigenahalli Main and Cross, Sirinagara Nirantara Layout, Sri krishna Garden, Shivashankara Layout, Varaha Layout, Bindhu Layout, and Surrounding areas in Ward No- 05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Byatarayanapura Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s SMLP Asphalts, Prop : B B Umesh, Bangalore.

TEST RESULTS

1. **Gradation Test:**
TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
75.00	**100.00**	100
53.00	**96.45**	80-100
26.50	**72.60**	55-90
9.50	**51.15**	35-65
4.75	**41.05**	25-50
2.36	**17.25**	10-20
0.85	**8.50**	2-10
0.425	**3.05**	0-5

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NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA,
JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
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Date: 05-10-2020

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Water absorption, %	**0.42 %**	Not more than 2.0 %
2.	Liquid Limit, %	**18.36**	Not more than 25.0 %
3.	Plasticity Index, %	**NP**	Not more than 6.0 %
4.	Moisture Content, %	**6.54**	----------
5.	Aggregate Impact Value, %	**28.67**	Not more than 40.00 %

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ಸಹಾಯಕ ಕಾರ್ಯ ಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

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NC/QC/BD/W5/2020-21/P1-1-GSB2 **Date: 06-10-2020**

TEST REPORT ON GRANULAR SUBBASE MIX
(GRADATION TEST)

Sub: To conduct tests on GSB (Grade-V) mix.
{Project*: Improvements to roads and drains at Kattigenahalli Main and Cross, Sirinagara Nirantara Layout, Sri krishna Garden, Shivashankara Layout, Varaha Layout, Bindhu Layout, and Surrounding areas in Ward No- 05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Byatarayanapura Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s SMLP Asphalts, Prop : B B Umesh, Bangalore.

TEST RESULTS

1. **Gradation Test:**
TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
75.00	**100.00**	100
53.00	**95.85**	80-100
26.50	**71.35**	55-90
9.50	**54.15**	35-65
4.75	**42.60**	25-50
2.36	**18.25**	10-20
0.85	**7.90**	2-10
0.425	**4.10**	0-5

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Date: 06-10-2020

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Water absorption, %	**0.41 %**	Not more than 2.0 %
2.	Liquid Limit, %	**18.56**	Not more than 25.0 %
3.	Plasticity Index, %	**NP**	Not more than 6.0 %
4.	Moisture Content, %	**6.74**	----------
5.	Aggregate Impact Value, %	**28.86**	Not more than 40.00 %

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NC/QC/BD/W5/2020-21/P1-1-GSB3 Date: 08-10-2020

TEST REPORT ON GRANULAR SUBBASE MIX
(GRADATION TEST)

Sub: To conduct tests on GSB (Grade-V) mix.
{Project*: Improvements to roads and drains at Kattigenahalli Main and Cross, Sirinagara Nirantara Layout, Sri krishna Garden, Shivashankara Layout, Varaha Layout, Bindhu Layout, and Surrounding areas in Ward No- 05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Byatarayanapura Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s SMLP Asphalts, Prop : B B Umesh, Bangalore.

TEST RESULTS

1. **Gradation Test:**
TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
75.00	**100.00**	100
53.00	**98.45**	80-100
26.50	**72.30**	55-90
9.50	**51.25**	35-65
4.75	**43.65**	25-50
2.36	**18.20**	10-20
0.85	**7.65**	2-10
0.425	**3.90**	0-5

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ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

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Date: 08-10-2020

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Water absorption, %	**0.43%**	Not more than 2.0 %
2.	Liquid Limit, %	**18.74**	Not more than 25.0 %
3.	Plasticity Index, %	**NP**	Not more than 6.0 %
4.	Moisture Content, %	**6.45**	----------
5.	Aggregate Impact Value, %	**28.19**	Not more than 40.00 %

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